



FEMA



Prepared by
Brian Hoeth

FEMA Region 6 Weather Threat Briefing

Tuesday May 12, 2020

Disclaimer: The purpose of this briefing is to provide a **Regional** weather threat assessment and is meant as a general overview. County/Parish decision makers should consult their local NWS forecast offices for the latest detailed, local weather information.

To find your local NWS forecast office, go to www.weather.gov/srh.



NWSSouthern

www.weather.gov/srh

Summary of the Upcoming Week



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- **Isolated severe storms and flash flooding today for portions of TX. Flash flooding also for E OK/W & N AR.**
- **Severe storms expected Wednesday for OK/W TX; severe storms/flash flooding Friday into Saturday for OK/TX.**
- **Elevated to critical fire weather conditions for NM today & tomorrow, also for W TX & TX/OK Panhandles tomorrow.**

FEMA Region 6 Threat Matrix

May 12, 2020 - May 16, 2020



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DAY / THREAT	Tue	Wed	Thu	Fri	Sat
Severe Storms	W/W-Cntrl/S-Cntrl TX	SW OK/NW TX OK/W TX	OK/NW TX/NW AR	OK/TX	OK/TX
Heavy Rain / Flash Flooding	S-Cntrl/Cntrl/N TX E OK/W&N AR		OK/NW AR	OK/TX	OK/TX
Fire Weather	NW NM NM	E NM/Panhandles NM/W TX			
Tropical Weather					
Winter Weather					
River Flooding	MS River – LA AR/LA	MS River – LA AR/LA	MS River – LA AR/LA	MS River – LA AR/LA	MS River – LA AR/LA

	No Weather Threats Expected
	Very Common – Happens Often
	Common – Happens Frequently
	Uncommon – A Few Times a Year
	Rare – Once Every 1-5 Years
	Very Rare – Once Every 5-10 Years

Threat levels are based on FEMA Region 6 criteria. State or local threat level criteria may differ.

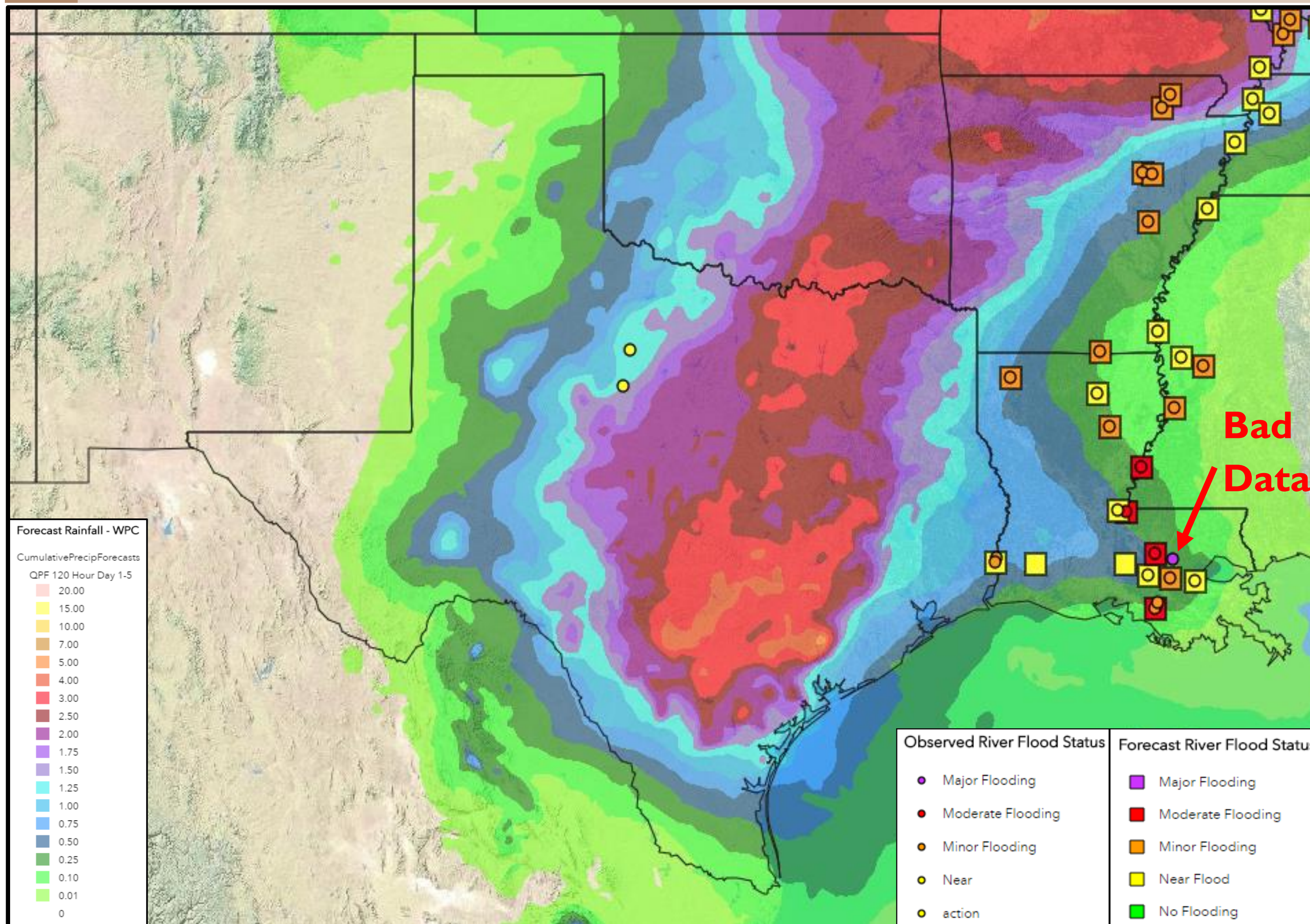
For more details on the colors in the threat matrix refer to the last slide in this briefing.

5-Day Precipitation Forecast & River Flood Status



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Note: Even though the image displays 5 days of forecasted rainfall, river forecasts only include 1-2 days of rainfall



Moderate flooding will continue this week in Louisiana on the MS River with impacts primarily to navigation.

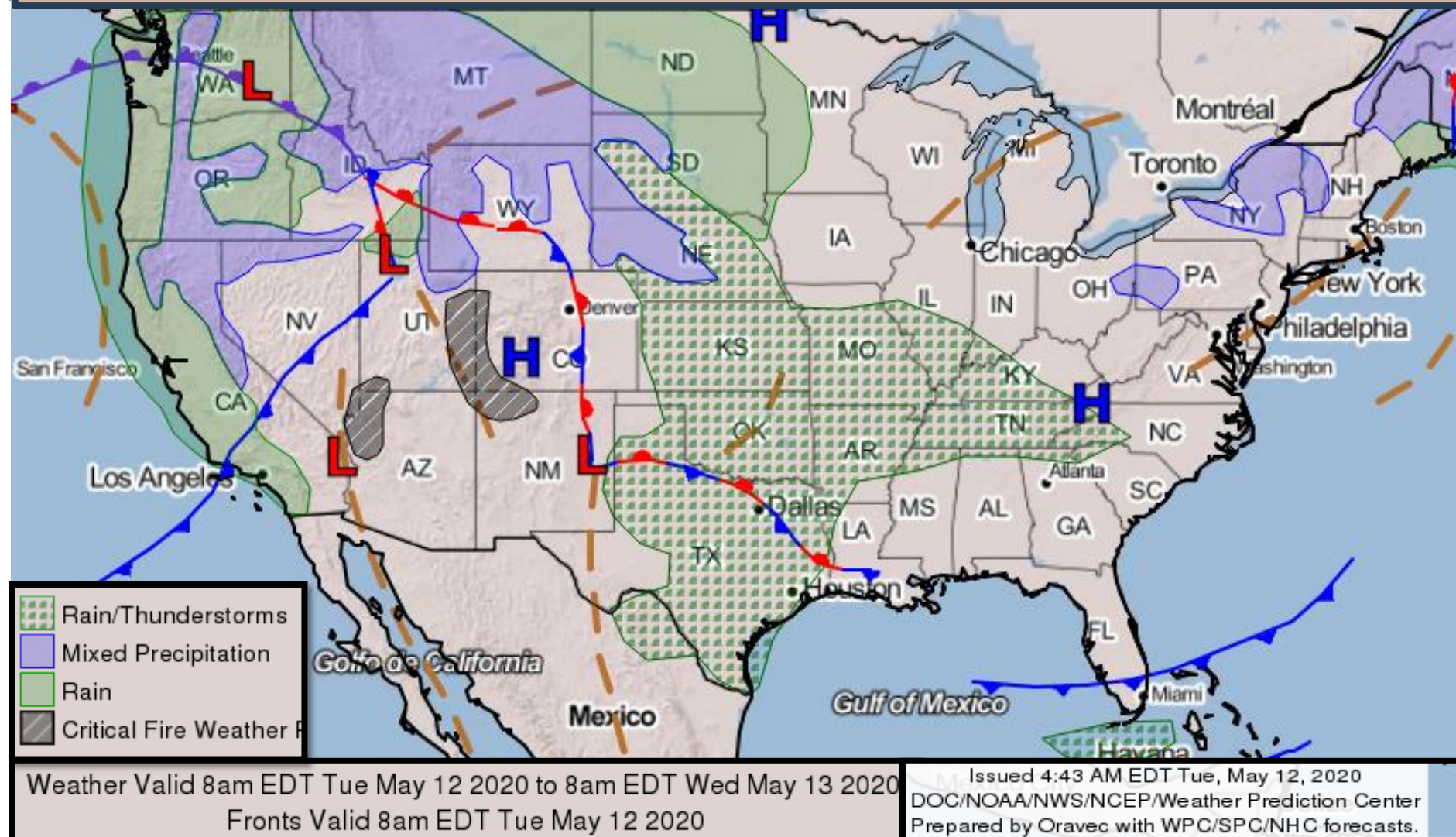
Minor flooding will continue this week for additional rivers in Louisiana and for some rivers in Arkansas. Impacts primarily to agriculture and secondary roads.

Today's Weather



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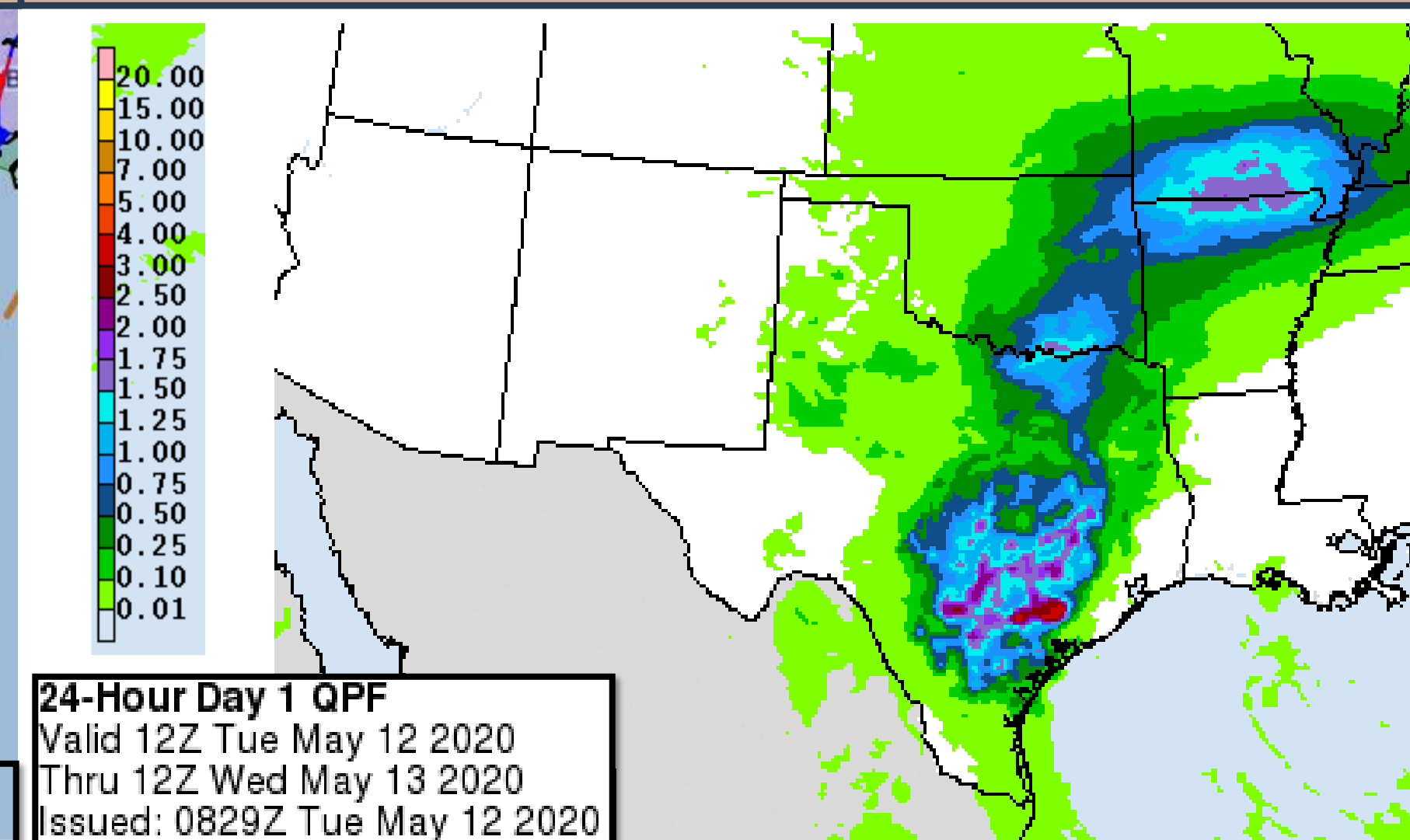
Forecast Chart



Weather Valid 8am EDT Tue May 12 2020 to 8am EDT Wed May 13 2020
Fronts Valid 8am EDT Tue May 12 2020

Issued 4:43 AM EDT Tue, May 12, 2020
DOC/NOAA/NWS/NCEP/Weather Prediction Center
Prepared by Oravec with WPC/SPC/NHC forecasts.

Forecast Rainfall

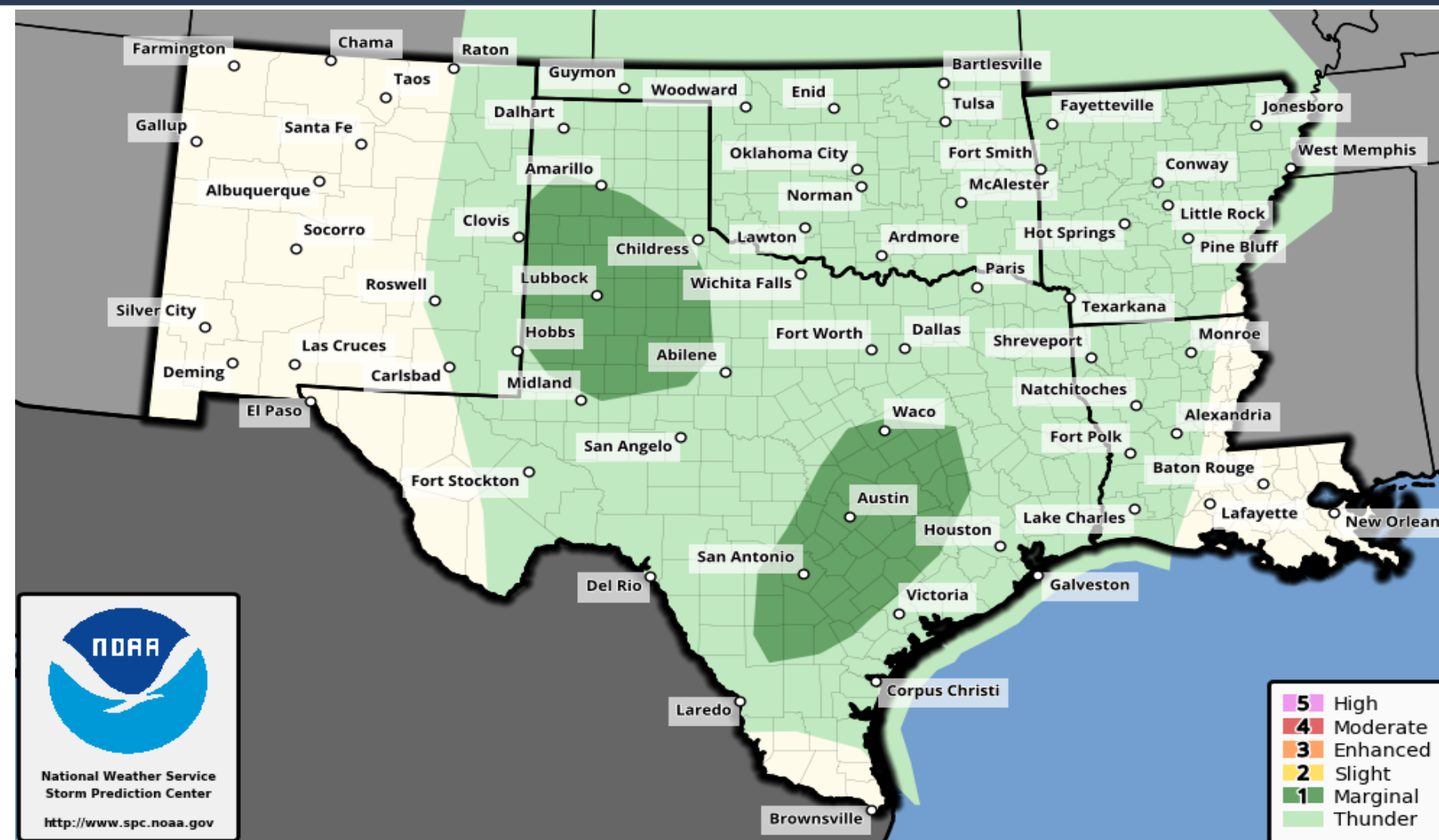


24-Hour Day 1 QPF
Valid 12Z Tue May 12 2020
Thru 12Z Wed May 13 2020
Issued: 0829Z Tue May 12 2020

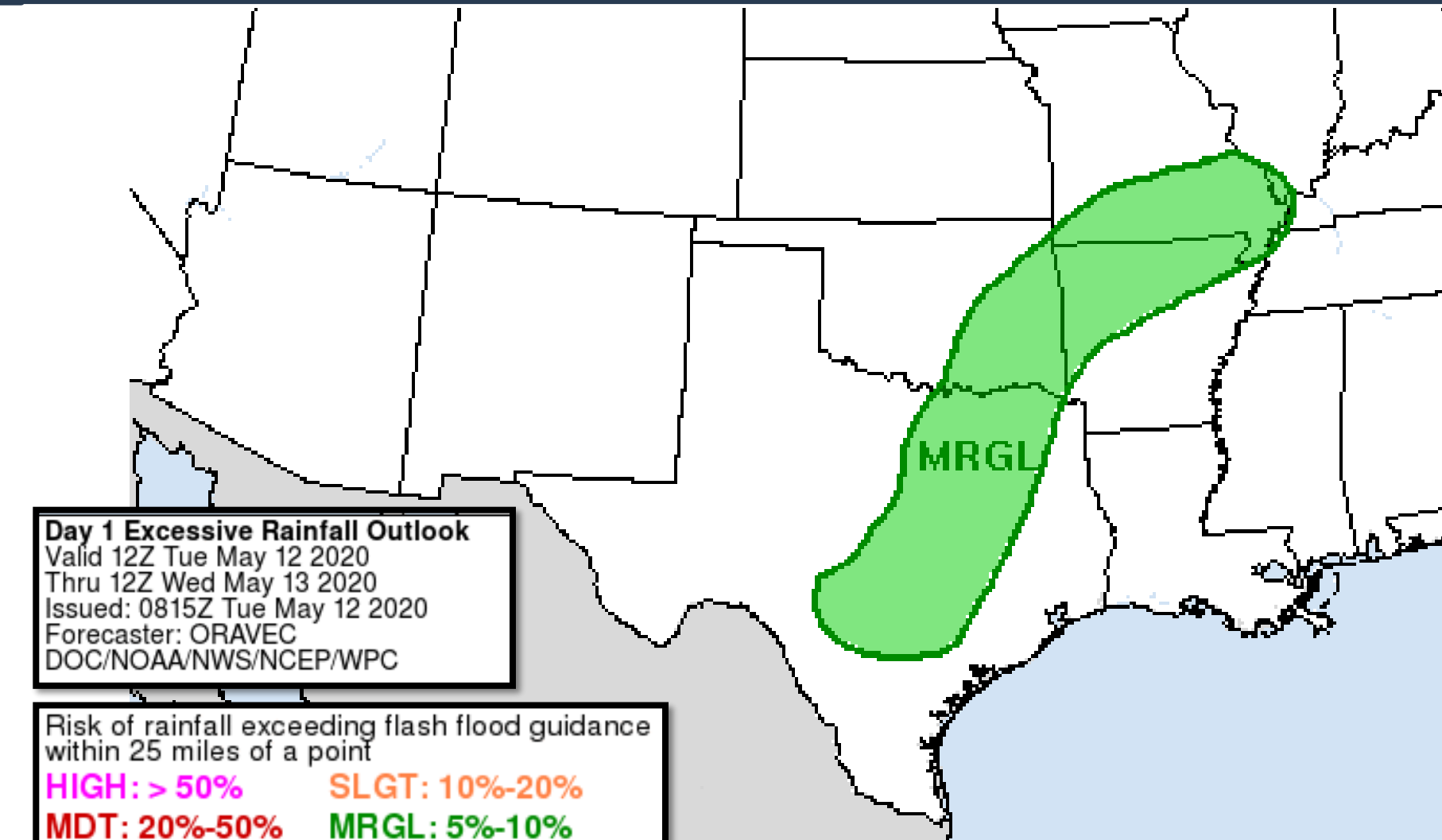
Isolated severe storms for portions of West/West-Central/South-Central TX.

Isolated heavy rain/flash flooding for South-Central/Central/NTX into E OK/W&N AR.

Severe Weather Outlook



Excessive Rainfall Outlook



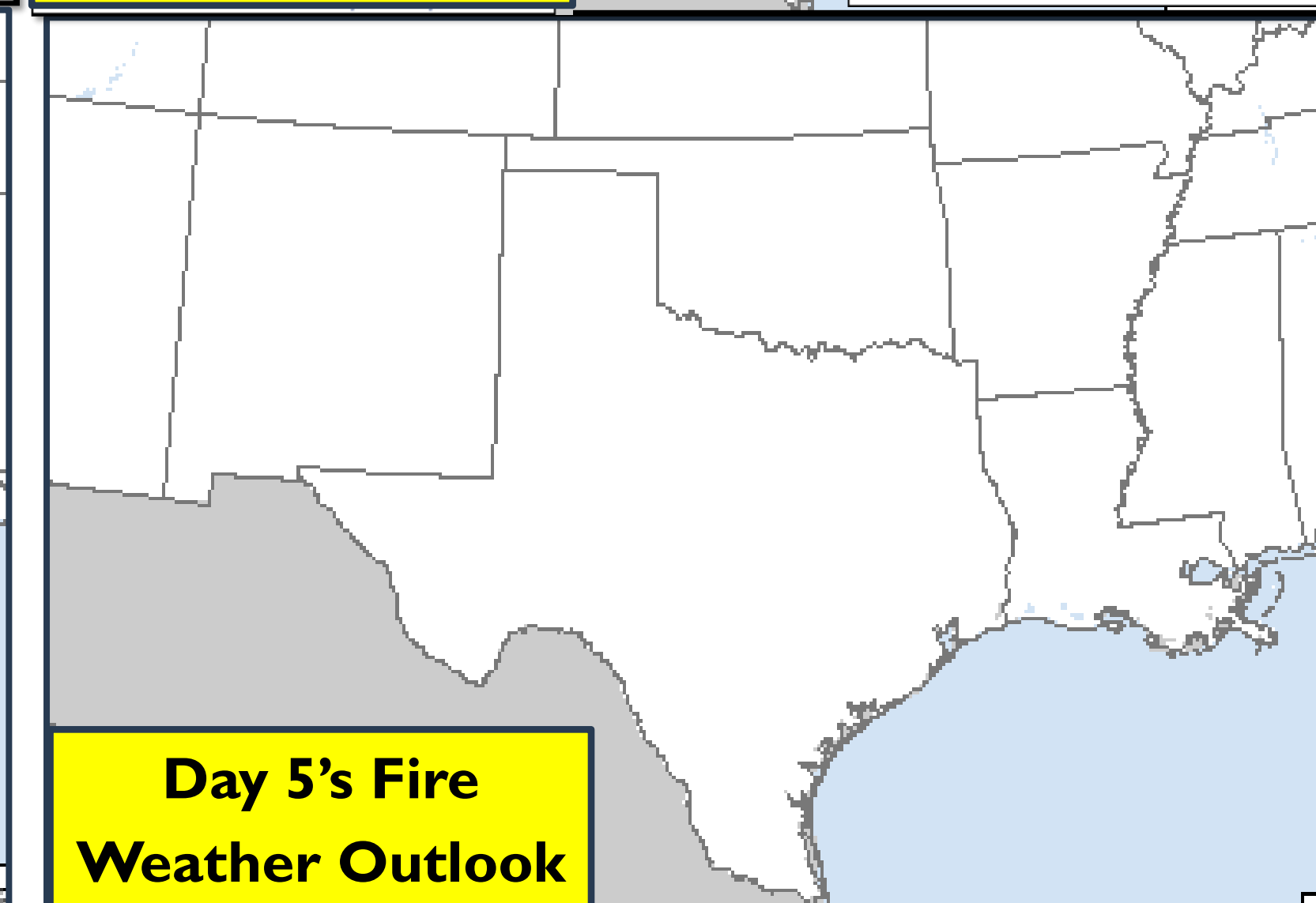
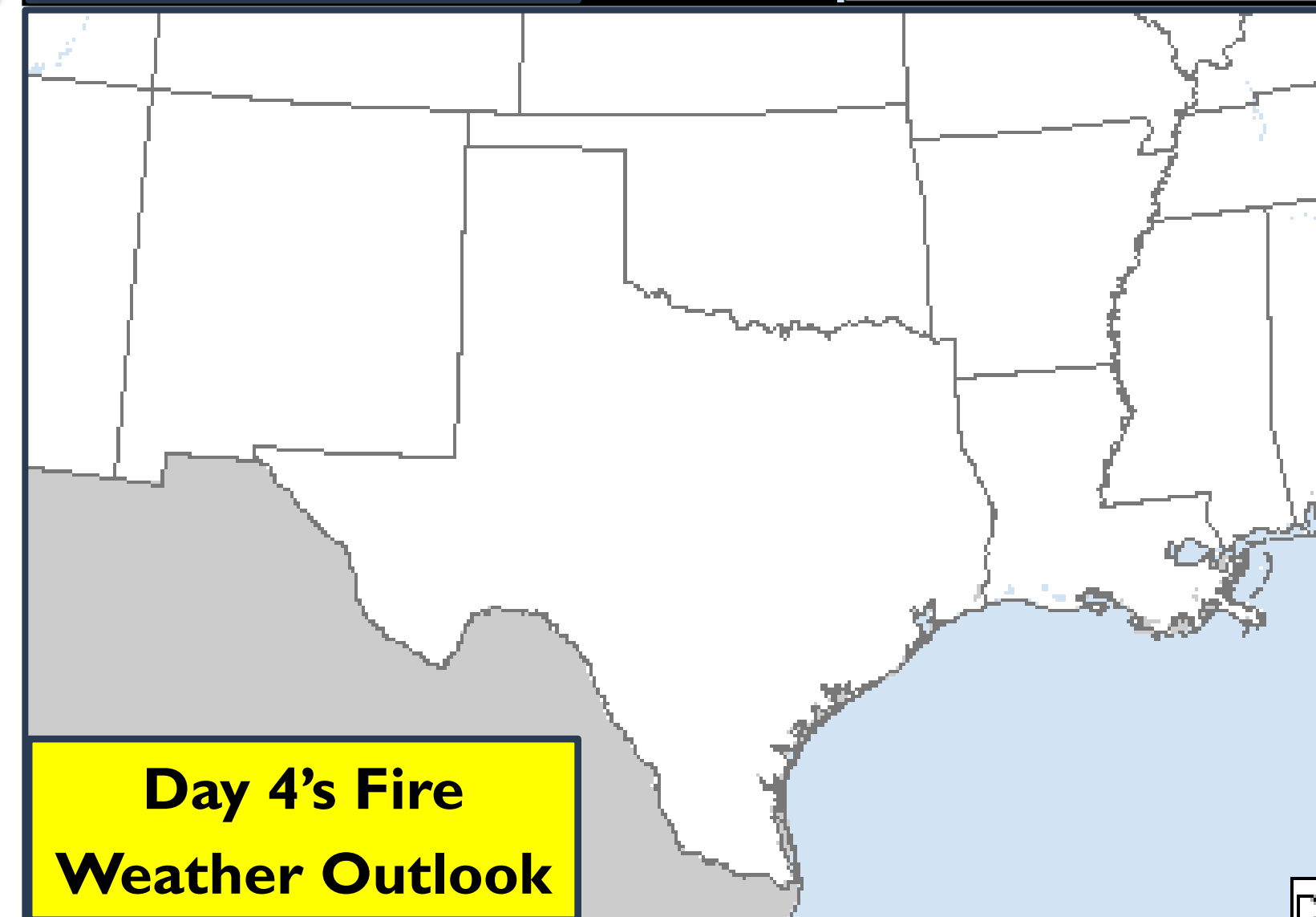
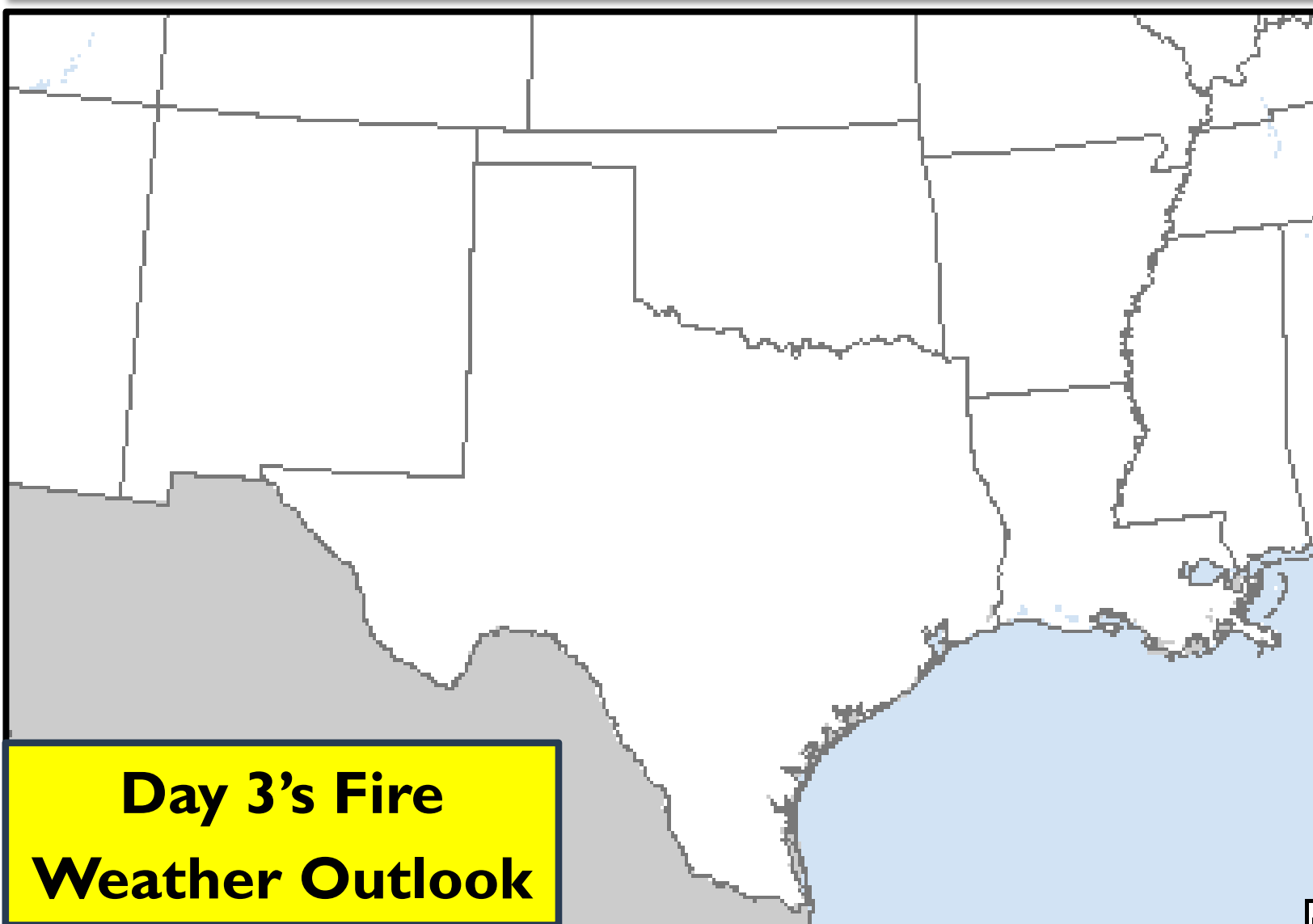
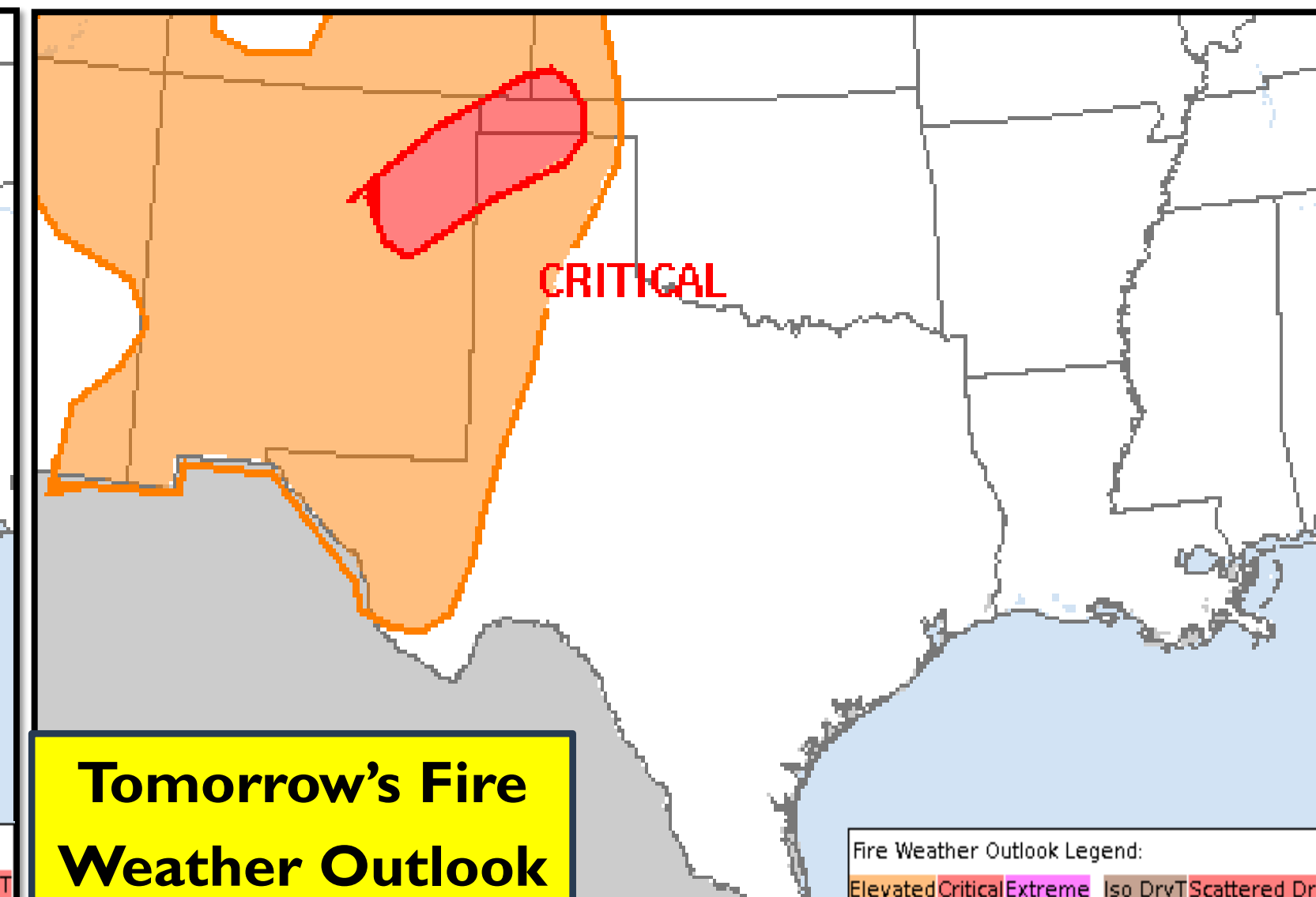
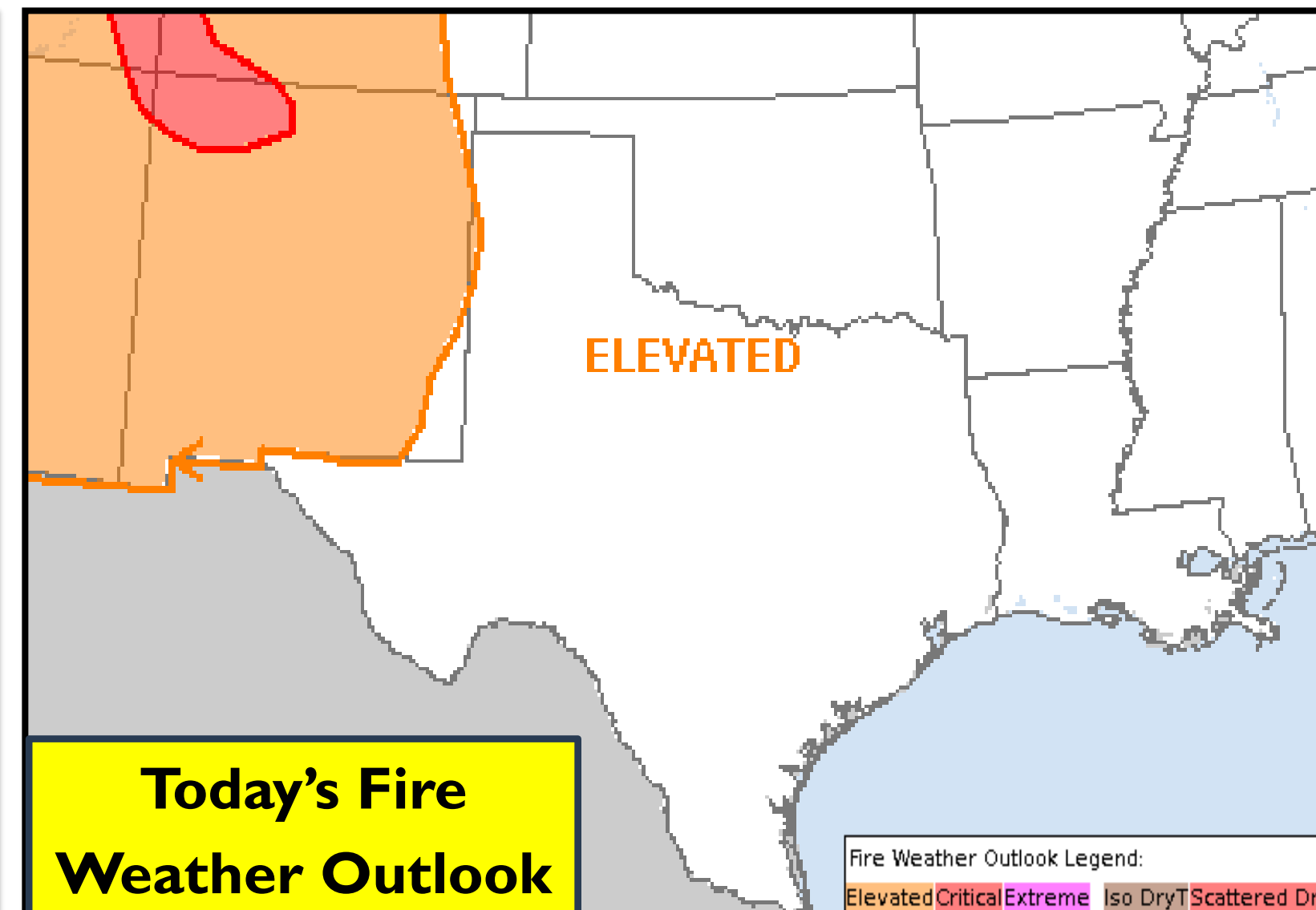
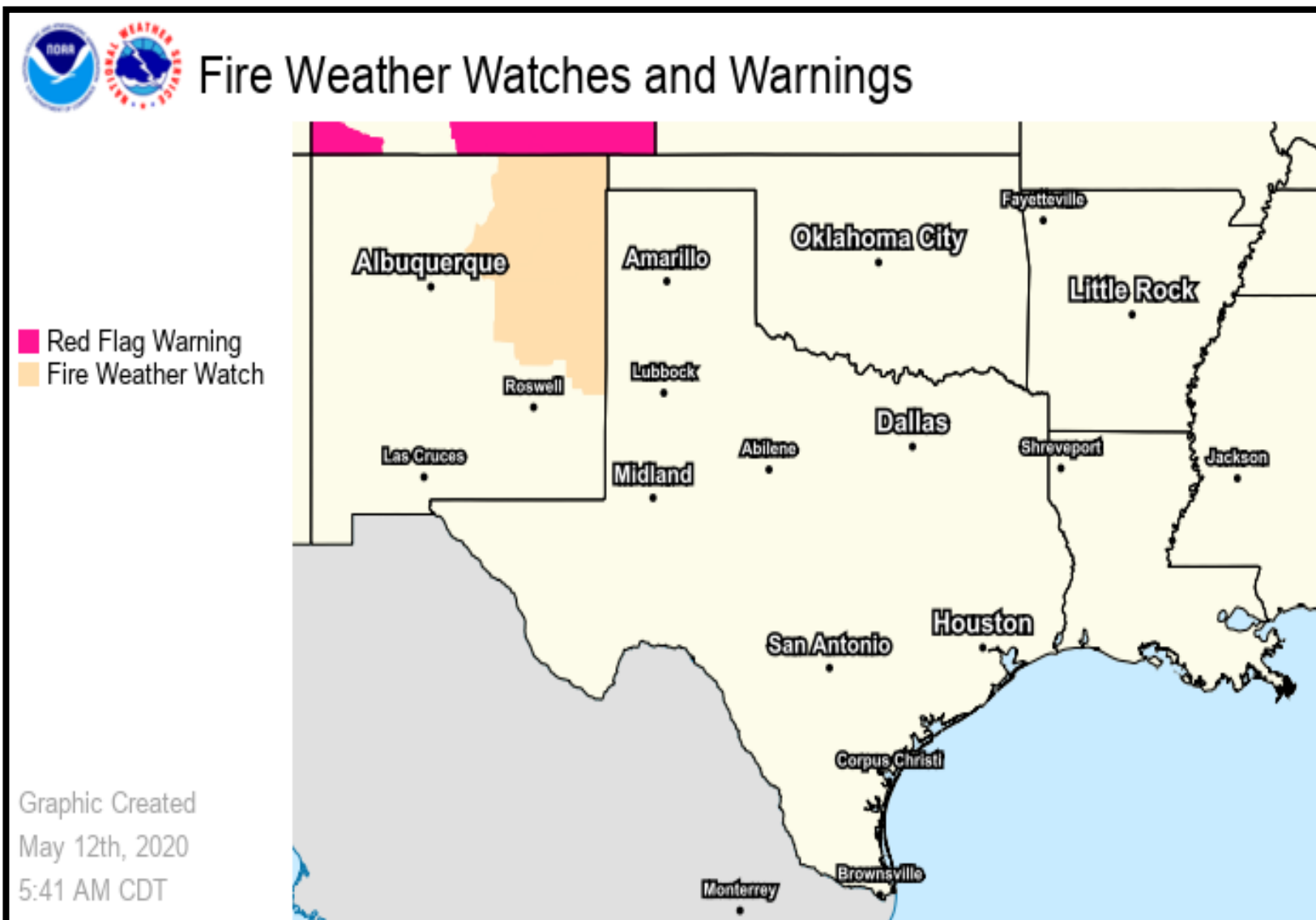
Day 1 Excessive Rainfall Outlook
Valid 12Z Tue May 12 2020
Thru 12Z Wed May 13 2020
Issued: 0815Z Tue May 12 2020
Forecaster: ORAVEC
DOC/NOAA/NWS/NCEP/WPC

Risk of rainfall exceeding flash flood guidance within 25 miles of a point
HIGH: > 50% **SLGT: 10%-20%**
MDT: 20%-50% **MRGL: 5%-10%**

Fire Weather Outlooks



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5/12/2020 6:30 AM

Note: Days 3-5 only highlight Critical areas

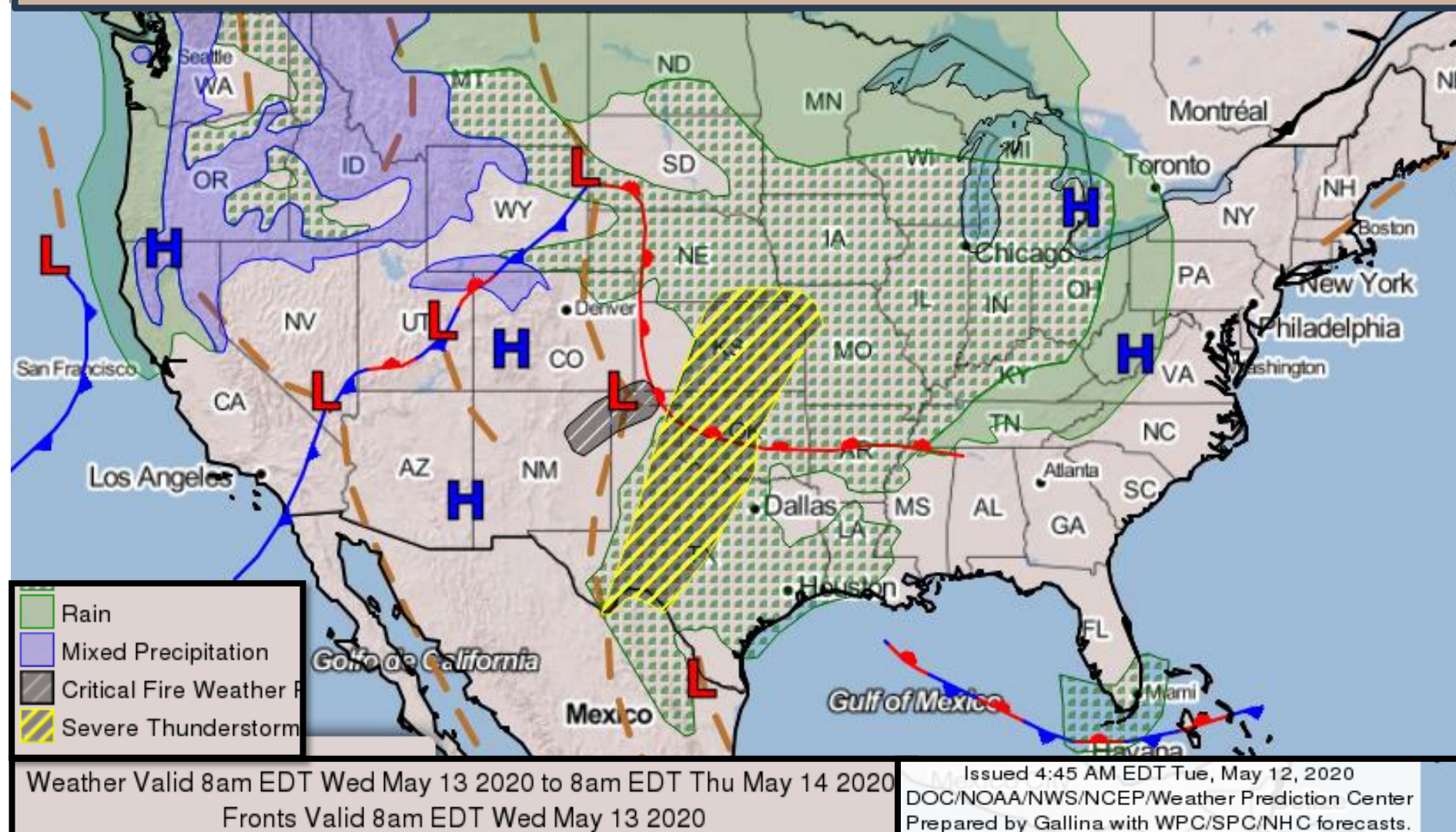
www.weather.gov/srh

Tomorrow's Weather

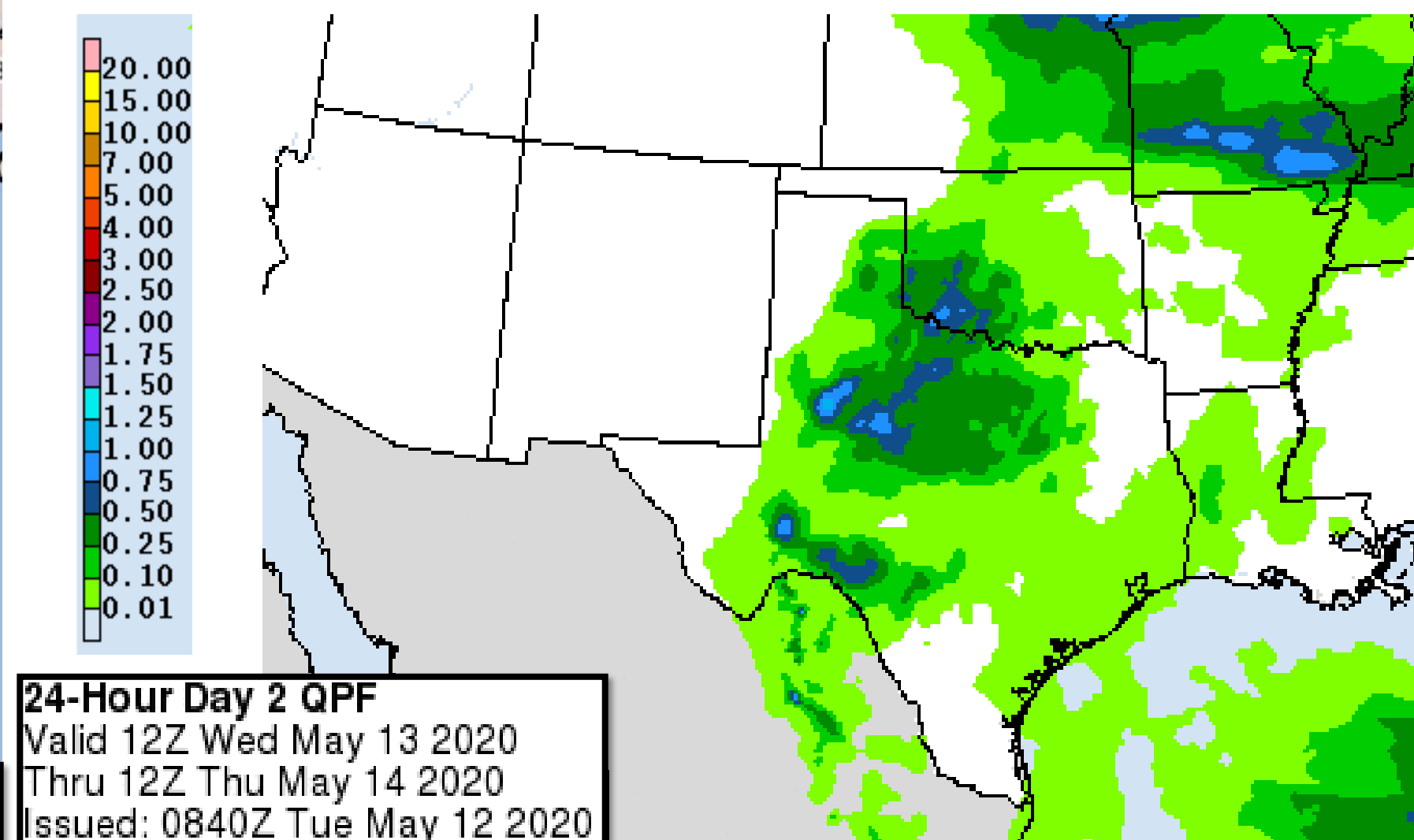


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Forecast Chart



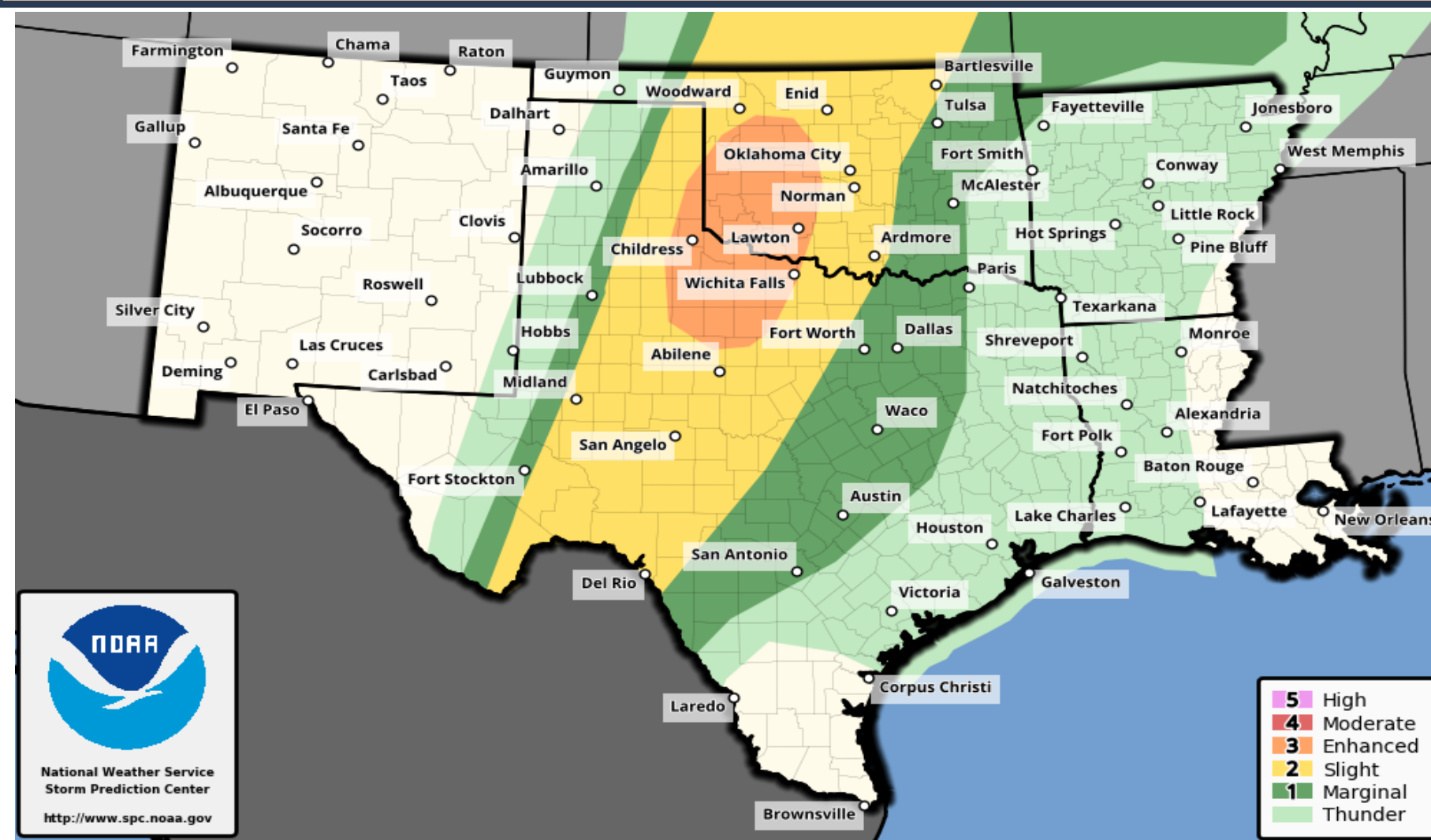
Forecast Rainfall



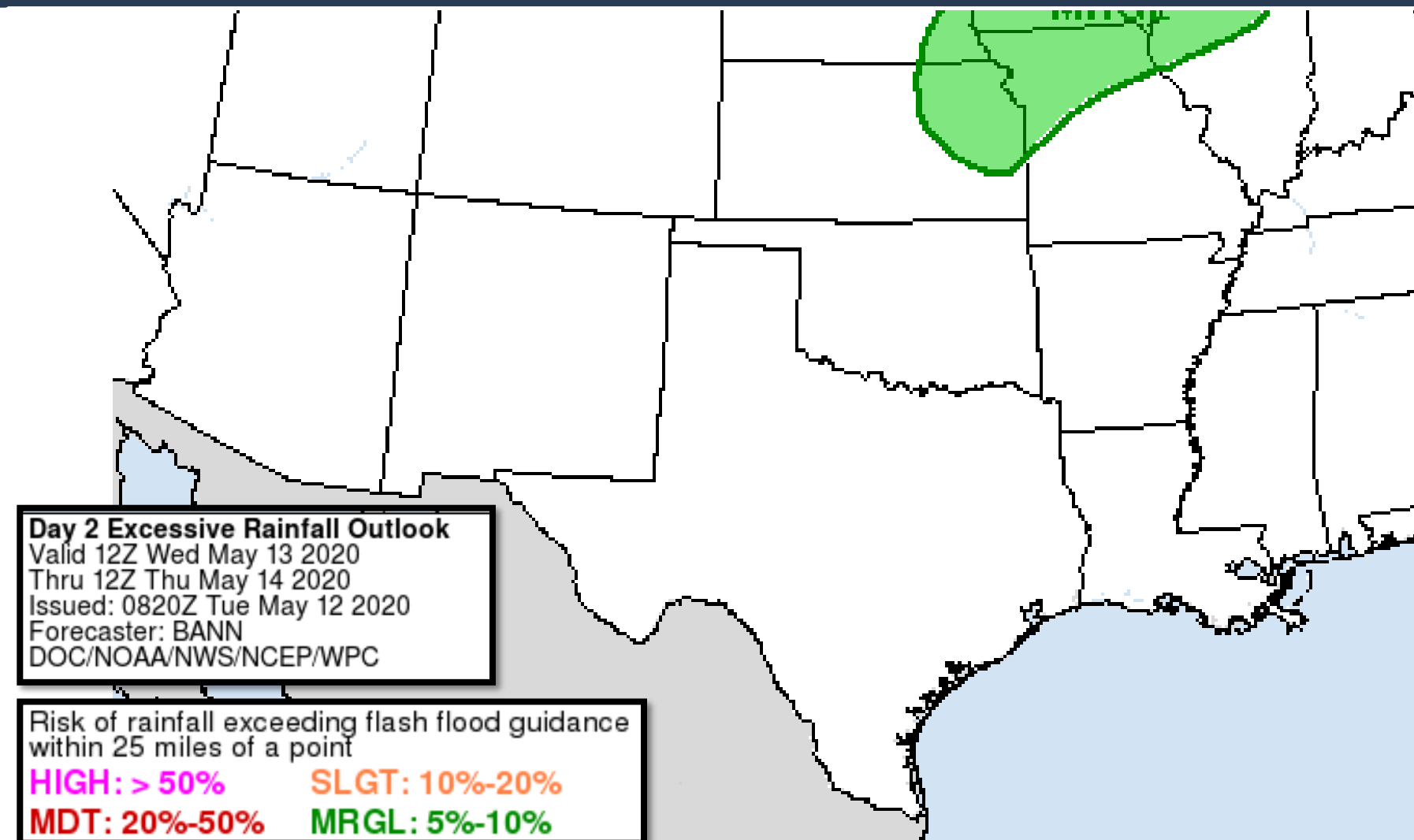
Severe storms expected for
OK into WTX.
Damaging winds and large hail
are the primary threats.
A few tornadoes are likely.

Isolated strong to severe
storm potential for
NE into South-Central OK
and for North-Central/
Central/South-Central TX.

Severe Weather Outlook



Excessive Rainfall Outlook

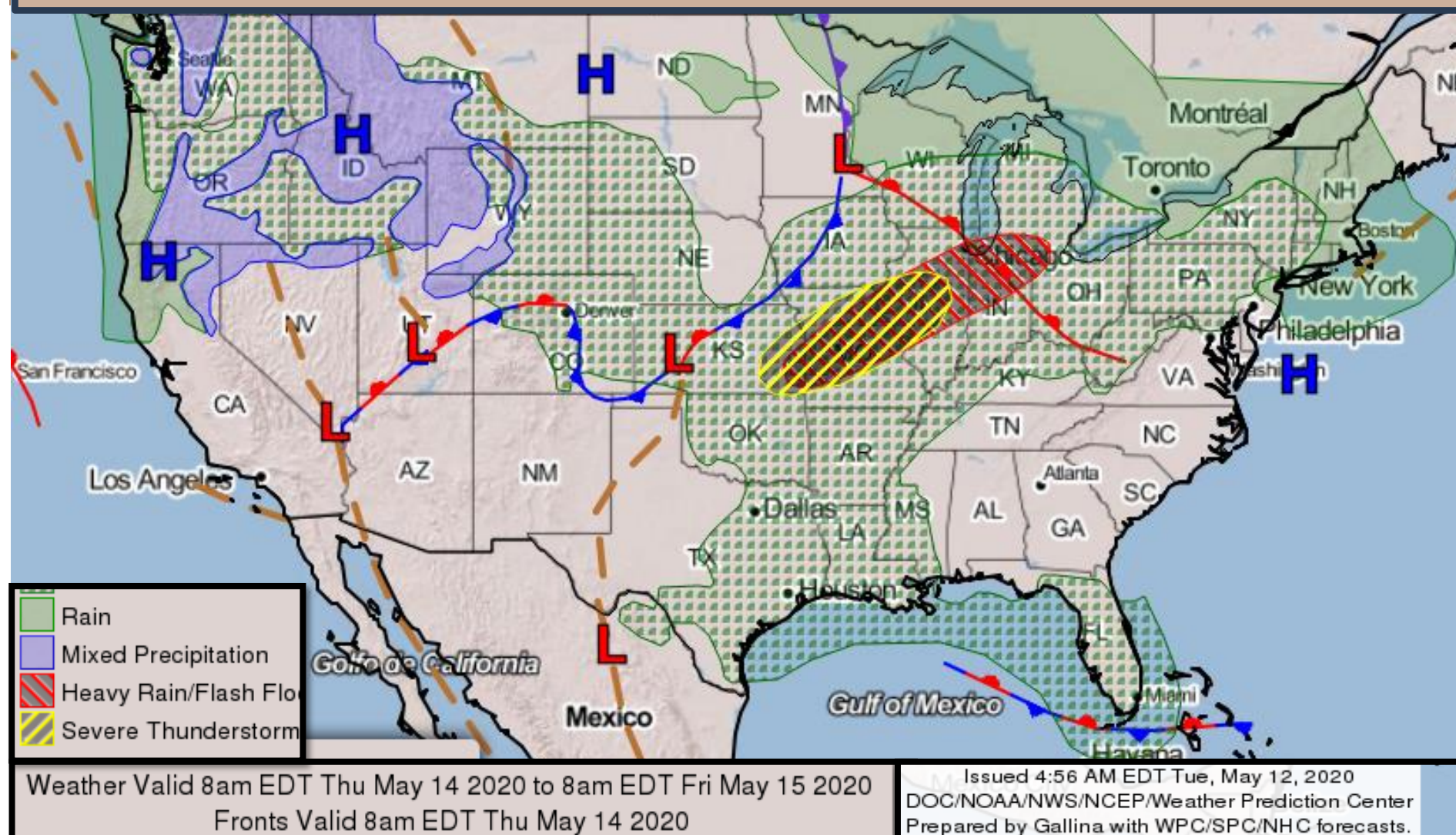


Thursday's Weather

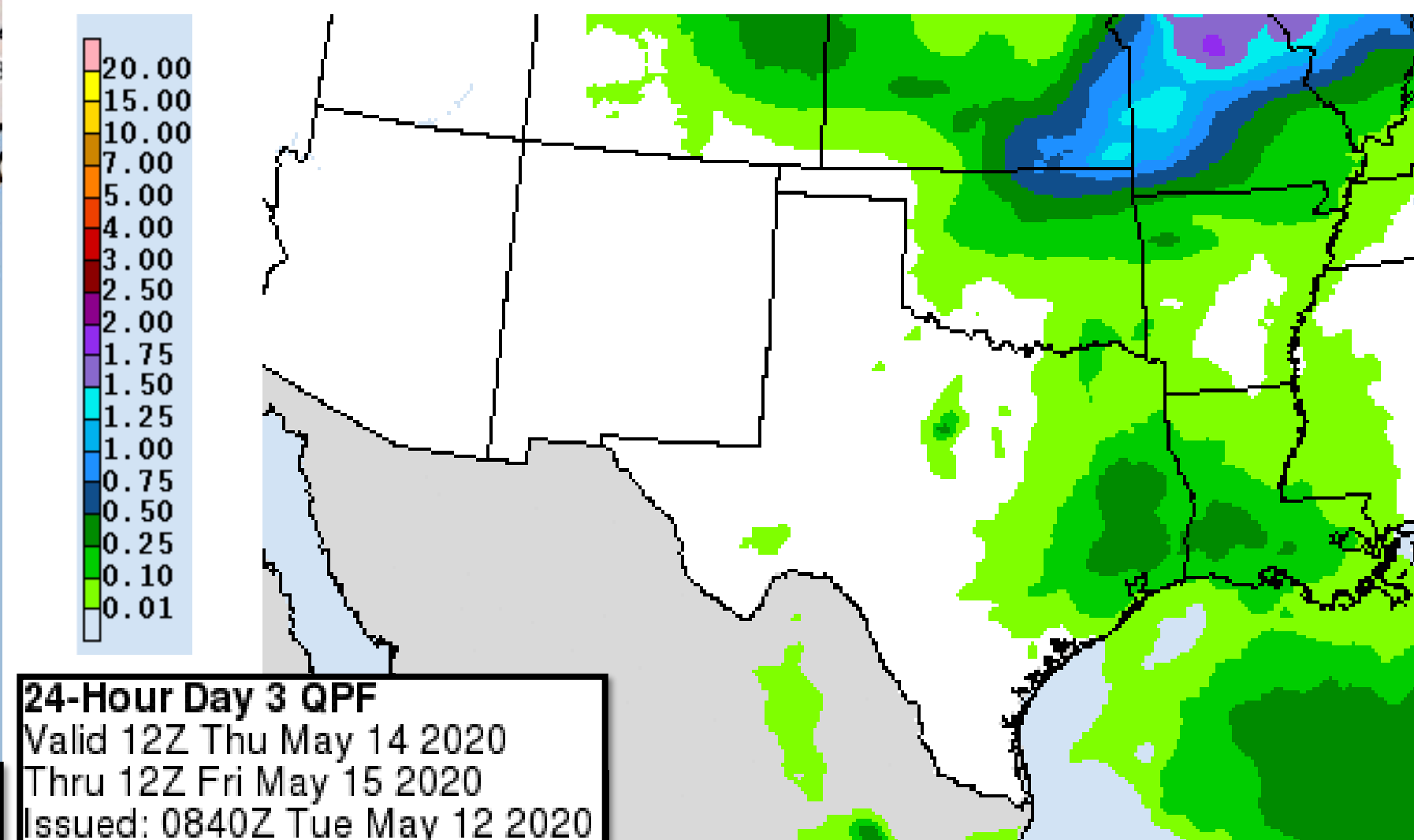


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Forecast Chart



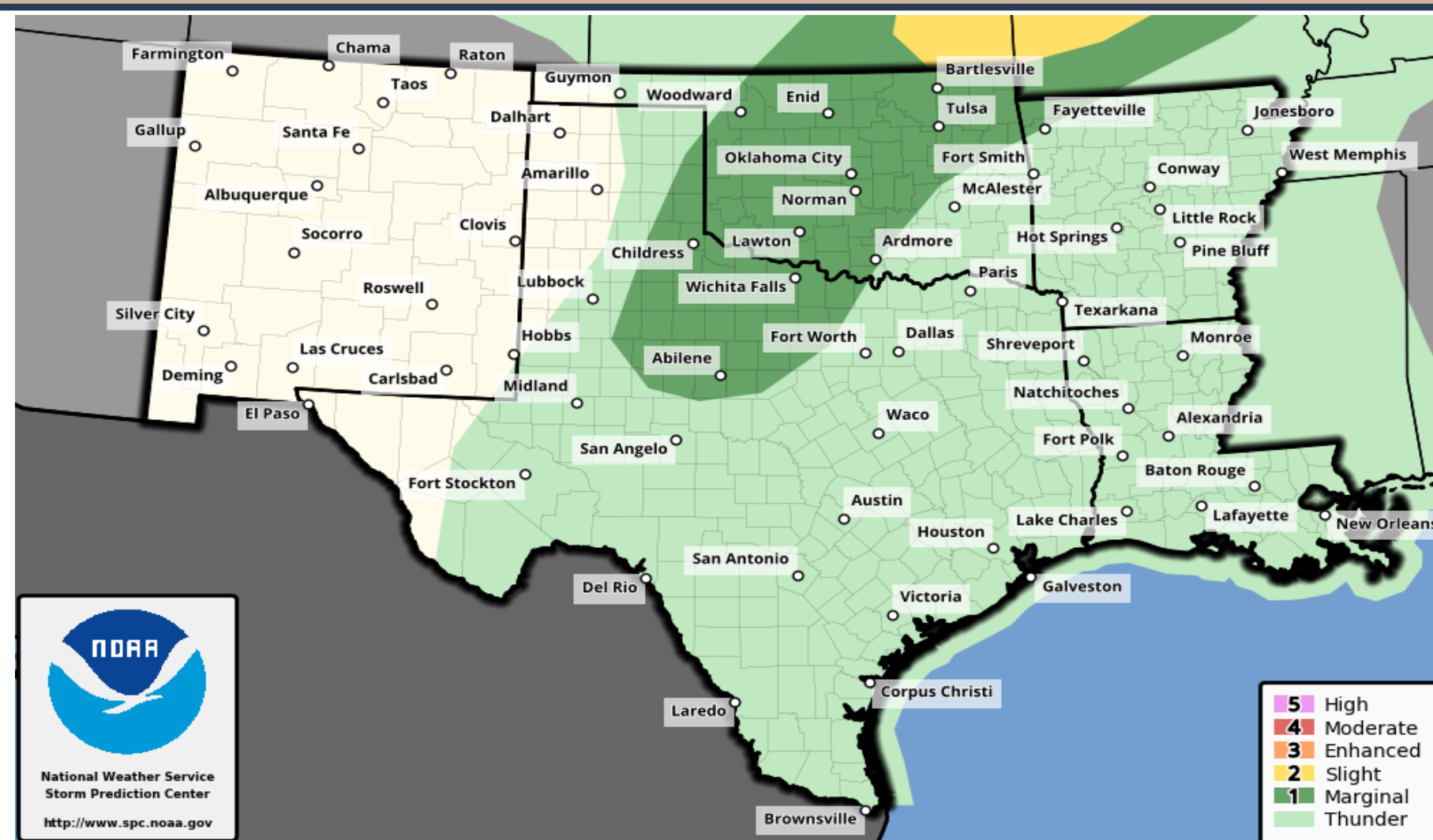
Forecast Rainfall



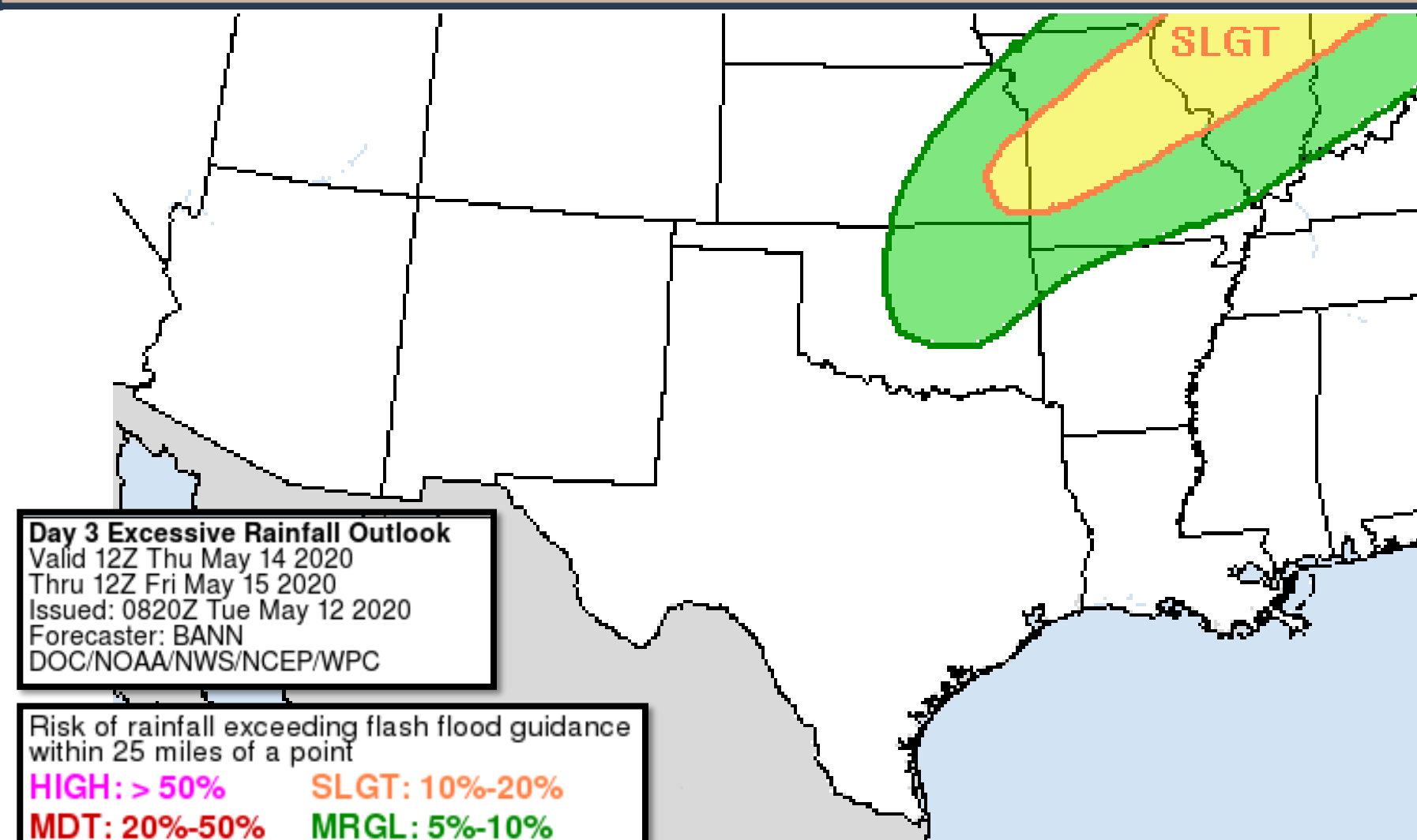
Isolated strong to severe storms for OK into NW TX and extreme NW AR.

Isolated heavy rain/flash flooding for OK into NW AR.

Severe Weather Outlook



Excessive Rainfall Outlook



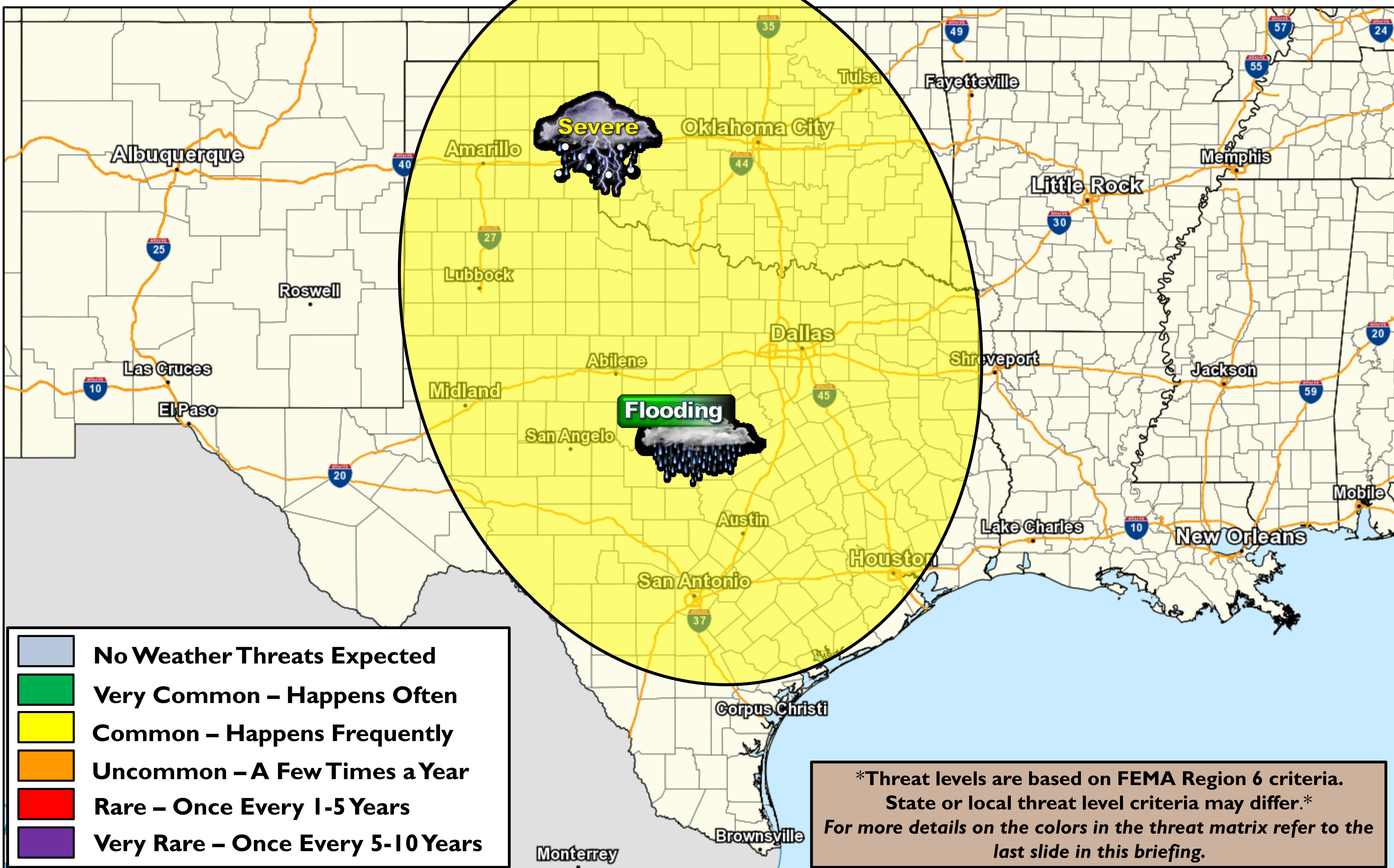
Days 4-5 Weather Hazards

Friday - Saturday



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**Severe storms and/or
heavy rain/flash flooding
Friday into Saturday for
OK/TX.**

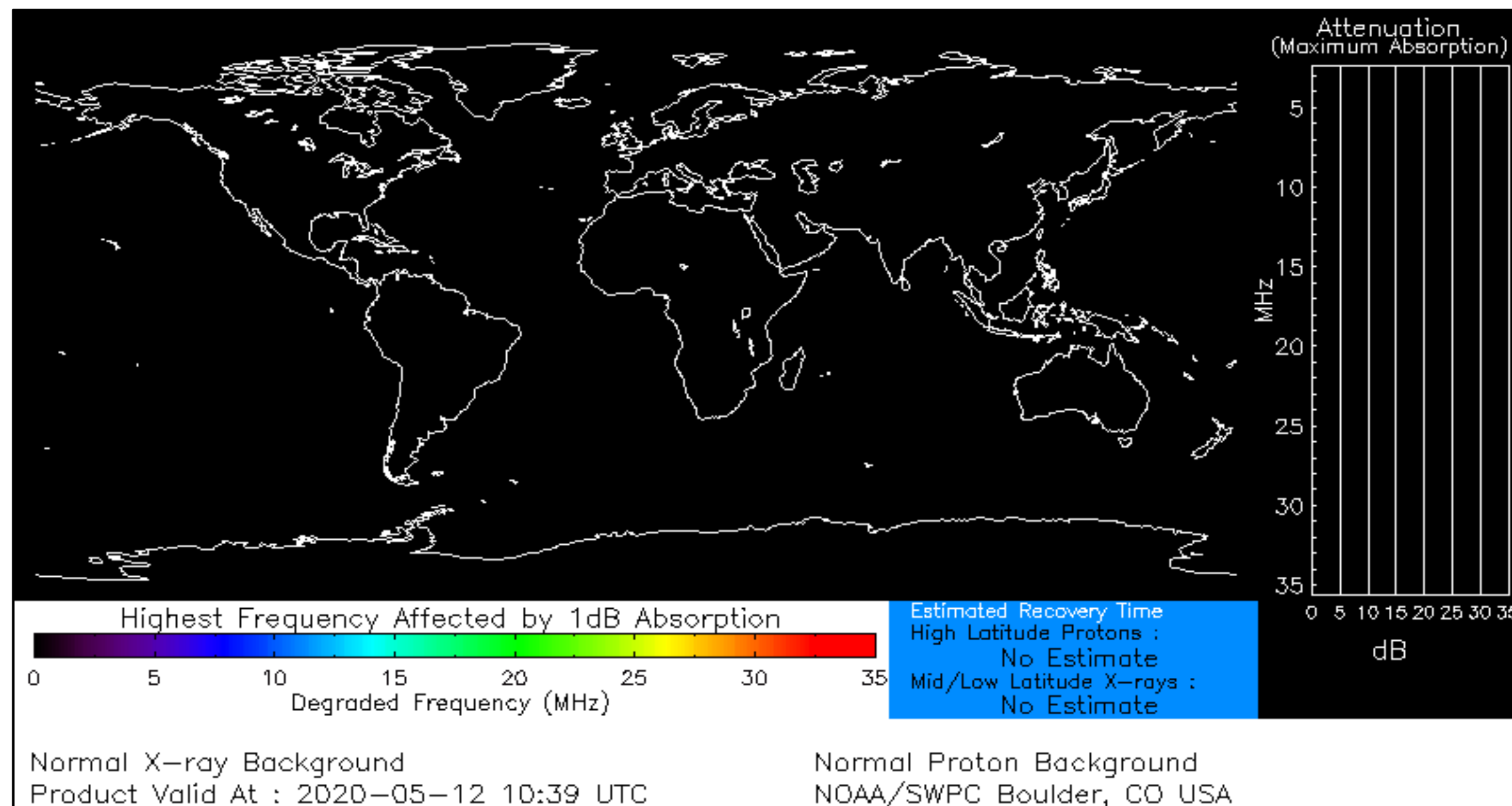


Space Weather 3-Day Forecast



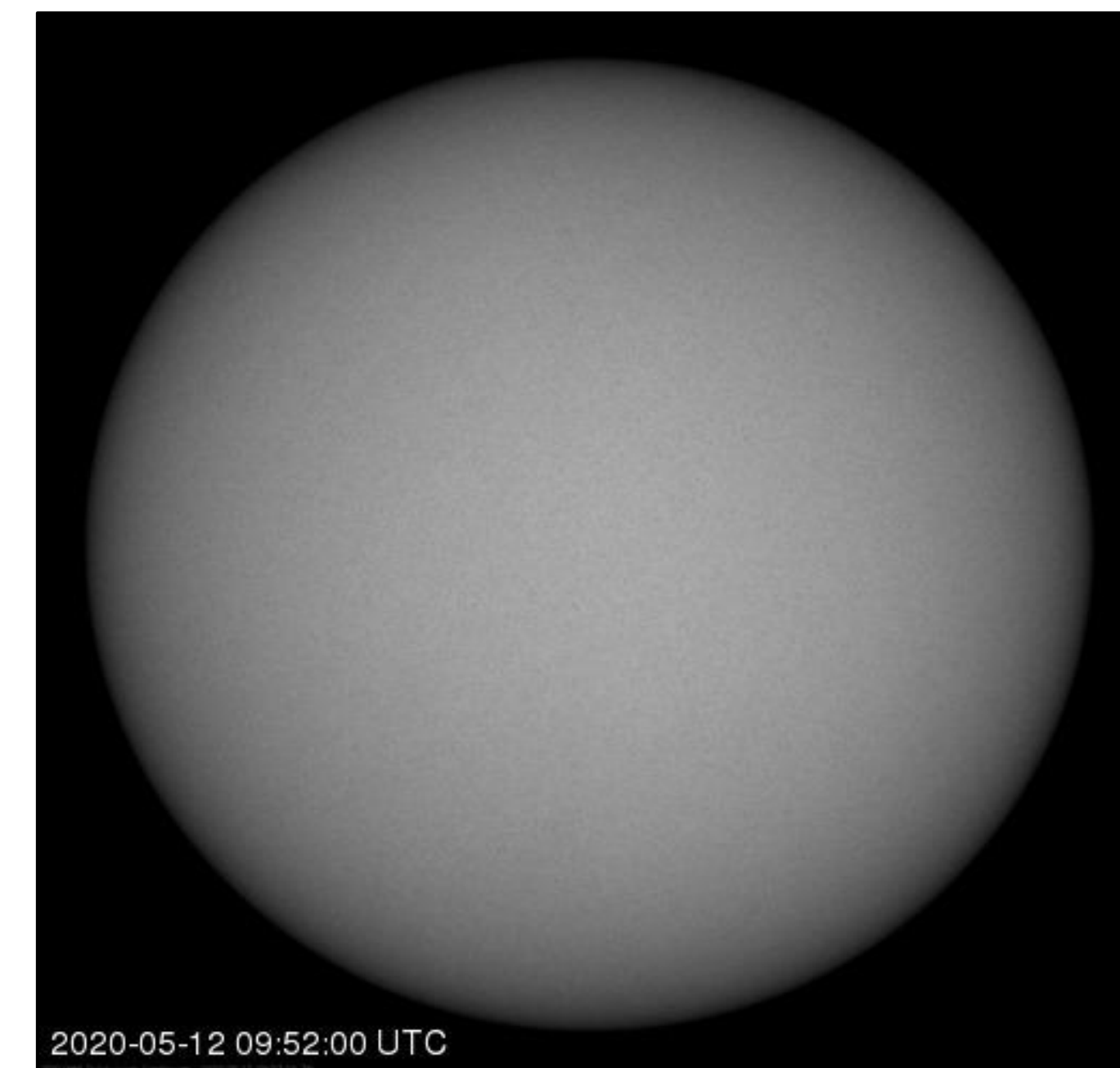
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	Tuesday	Wednesday	Thursday
Geomagnetic Storms	Quiet (Max Kp = 2)	Quiet (Max Kp = 2)	Quiet (Max Kp = 2)
Solar Radiation Storm (S1-S5)	1%	1%	1%
Radio Blackout (R1-R2)	1%	1%	1%
Radio Blackout (R3-R5)	1%	1%	1%



[Click here for a Description of the Space Weather Storm Scales](#)

[Click here for the Latest 3-Day Space Weather Forecast Text](#)





For more information, please contact:

National Weather Service
Southern Region Headquarters
Regional Operations Center
Fort Worth, TX

Phone: (682) 703-3747

E-mail: sr-srh.roc@noaa.gov

Web: <http://www.weather.gov/srh>



Weather “Threat” Matrix			
Color	Definition	Criteria	Example(s)
Green	Very Common Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Little Inconvenience to Daily Routines	Severe: Marginal Risk from SPC Flooding: Minor flooding expected over localized areas Tropical: None Fire Weather: No Watches/Warnings, fuel moisture above 10% or green up active	<ul style="list-style-type: none"> Thunderstorms expected over LA this afternoon; a few may produce winds to knock down a few trees Something that happens almost every day in a particular season such as <u>seabreeze</u> storms in coastal TX
Yellow	Somewhat Common – Happens Frequently Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Some Inconvenience to Daily Life	Severe: Slight Risk from SPC Flooding: Nuisance flooded expected for a widespread area, or Minor flooding expected over isolated areas Tropical: A weak tropical wave expected to move towards or near any coastline Fire Weather: Red Flag Watches/Warnings and/or SPC outlines enhanced or critical fire outlook	<ul style="list-style-type: none"> 2-3 inches of rainfall expected over central AR today and tonight; some minor (brief) street flooding possible Scattered severe storms possible, one or two tornadoes expected, along with reports of strong winds/wind damage and ~1” hail
Orange	Uncommon – A Few Times a Year Safety: Often Threatening to Life and Property, Some Damage Unavoidable Impact Potential: Typically Results in Minor Disruption to Daily Life	Severe: Enhanced Risk from SPC Flooding: Minor flooding expected over a widespread area (including urban locations), or Moderate flooding expected over isolated areas Tropical: A Tropical Storm expected to move towards or near any coastline Fire: Critical fire outlook for more than 2 consecutive days, Warnings for 2 or more consecutive days, D3-D4 drought conditions	<ul style="list-style-type: none"> A snow/sleet mix is expected to move through or near the DFW area tomorrow morning; travel impacts likely Numerous severe storms possible, a few tornadoes possible along with several reports of wind damage along with damaging hail Some large fires reported, burn bans advertised, critical conditions expected
Red	Rare – Once every 1-5 Years Safety: Extensive Property Damage Likely, Life Saving Actions Also will be Needed Impact Potential: Will likely result in Large Disruption to Daily Life	Severe: Moderate Risk from SPC Flooding: Moderate flooding expected over a widespread area (including urban locations) Tropical: A Hurricane expected to move towards or near any coastline Fire: Large areas of critical conditions for 2 or more days, Warnings for 3 or more days, Severe to extreme drought	<ul style="list-style-type: none"> A Category 1 hurricane will be moving towards the NW Gulf in the next few days Widespread severe storms likely, strong tornadoes, widespread wind damage, and destructive hail Large fires ongoing throughout the area with critical fire weather conditions expected to continue
Purple	Very Rare – Once Every 5-10 Years Safety: Property Damage Unavoidable, Immediate Action to Save Life will be Needed Impact Potential: Typically Results in Long-Lived Widespread Major Disruption to Daily Life	Severe: High Risk from SPC Flooding: Major flooding expected over a widespread area (including urban locations) Tropical: A Major Hurricane (Cat3 or greater) expected to move towards or near any coastline Fire: Large area of critical conditions for 2 or more days, Warnings for 3 or more days, Long term (months) of severe to extreme drought	<ul style="list-style-type: none"> A Category 4 hurricane is headed towards the SE LA; major storm surge, flooding and damaging winds anticipated to begin tomorrow Widespread severe storms expected, tornado outbreak probable with long-lived, very widespread and particularly intense storms

Criteria for the color codes in this briefing is to the left, please provide any feedback to

sr-srh.roc@noaa.gov